

Ms. Young

Science _____

_____ February 2017

Genetics Practice Worksheet #1

Section A (6 Points)

Identify whether the allele is dominant (D) or recessive (R):

- | | |
|------------|------------|
| 1. J _____ | 4. R _____ |
| 2. c _____ | 5. Q _____ |
| 3. y _____ | 6. t _____ |

Section B (9 Points)

Identify whether the gene is dominant (D) or recessive (R):

- | | | |
|-------------|-------------|-------------|
| 1. ZZ _____ | 4. Qq _____ | 7. YY _____ |
| 2. bb _____ | 5. Rr _____ | 8. Xx _____ |
| 3. Ee _____ | 6. Tt _____ | 9. ff _____ |

Section C (9 Points)

Identify whether the gene is homozygous (Ho) or heterozygous (He):

- | | | |
|-------------|-------------|-------------|
| 1. Hh _____ | 4. Ww _____ | 7. Ss _____ |
| 2. gg _____ | 5. aa _____ | 8. nn _____ |
| 3. Yy _____ | 6. Nn _____ | 9. Vv _____ |

Section D (9 Points)

Identify whether the genotype is a purebred or a hybrid

- | | | |
|-------------|-------------|-------------|
| 1. KK _____ | 4. JJ _____ | 7. DD _____ |
| 2. Hh _____ | 5. ii _____ | 8. cc _____ |
| 3. dd _____ | 6. Tt _____ | 9. RR _____ |